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| (54) Title: COMPOSITIONS AND METHODS FOR THE TREATMENT OF IMMUNE RELATED DISEASES | | | |
| (57) Abstract The present invention relates to a composition containing novel proteins and methods for the diagnosis and treatment of immune related diseases. | | | |

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P1.DNA 32279

SEQ ID NO:16

Met Pro Gly Ile Lys Arg Ile Leu Thr Val Thr Ile Leu Ala Leu Cys Leu Pro Ser Pro Gly Asn Ala Gln Ala Gln Cys Thr Asn Gly 30
 1
 Phe Asp Leu Asp Arg Gln Ser Gly Gln Cys Leu Asp Ile Asp Glu Cys Arg Thr Ile Pro Glu Ala Cys Arg Gly Asp Met Met Cys Val 60
 35
 Asn Gln Asn Gly Gly Tyr Leu Cys Ile Pro Arg Thr Asn Pro Val Tyr Arg Gly Pro Tyr Ser Asn Pro Tyr Ser Thr Pro Tyr Ser Gly 90
 65
 Pro Tyr Pro Ala Ala Ala Pro Pro Leu Ser Ala Pro Asn Tyr Pro Thr Ile Ser Arg Pro Leu Ile Cys Arg Phe Gly Tyr Gln Met Asp 120
 95
 Glu Ser Asn Gln Cys Val Asp Val Asp Glu Cys Ala Thr Asp Ser His Gln Cys Asn Pro Thr Gln Ile Cys Ile Asn Thr Glu Gly 150
 125
 Tyr Thr Cys Ser Cys Thr Asp Gly Tyr Trp Leu Leu Glu Gly Gln Cys Leu Asp Ile Asp Glu Cys Arg Tyr Gly Tyr Cys Gln Gln Leu 180
 155
 Cys Ala Asn Val Pro Gly Ser Tyr Ser Cys Thr Cys Asn Pro Gly Phe Thr Leu Asn Glu Asp Gly Arg Ser Cys Gln Asp Val Asn Glu 210
 185
 Cys Ala Thr Glu Asn Pro Cys Val Gln Thr Cys Val Asn Thr Tyr Gly Ser Leu Ile Cys Arg Cys Asp Pro Gly Tyr Glu Leu Glu 240
 215
 Asp Gly Val His Cys Ser Asp Met Asp Glu Cys Ser Phe Ser Glu Phe Leu Cys Gln His Glu Cys Val Asn Gln Pro Gly Thr Tyr Phe 270
 245
 Cys Ser Cys Pro Pro Gly Tyr Ile Leu Leu Asp Asp Asn Arg Ser Cys Gln Asp Ile Asn Glu Cys Glu His Arg Asn His Thr Cys Asn 300
 275
 Leu Gln Gln Thr Cys Tyr Asn Leu Gln Gly Gly Phe Lys Cys Ile Asp Pro Ile Arg Cys Glu Glu Pro Tyr Leu Arg Ile Ser Asp Asn 330
 305
 Arg Cys Met Cys Pro Ala Glu Asn Pro Gly Cys Arg Asp Gln Pro Phe Thr Ile Leu Tyr Arg Asp Met Asp Val Val Ser Gly Arg Ser 360
 335
 Val Pro Ala Asp Ile Phe Gln Met Gln Ala Thr Thr Arg Tyr Pro Gly Ala Tyr Tyr Ile Phe Gln Ile Lys Ser Gly Asn Glu Gly Arg 390
 365
 Glu Phe Tyr Met Arg Gln Thr Gly Pro Ile Ser Ala Thr Leu Val Met Thr Arg Pro Ile Lys Gly Pro Arg Glu Ile Gln Leu Asp Leu 420
 395
 Glu Met Ile Thr Val Asn Thr Val Ile Asn Phe Arg Gly Ser Ser Val Ile Arg Leu Arg Ile Tyr Val Ser Gln Tyr Pro Phe 448
 425
 430
 435

FIG. 6A

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P1.DNA 32292

SEQ ID NO:17

Met Arg Leu Pro Arg Arg Ala Ala Leu Gly Leu Leu Pro Leu Leu Leu Leu Leu Pro Pro Ala Pro Glu Ala Ala Lys Lys Pro Thr Pro 30
 1 5 25
 Cys His Arg Cys Arg Gly Leu Val Asp Lys Phe Asn Gln Gly Met Val Asp Thr Ala Lys Lys Asn Phe Gly Gly Gly Asn Thr Ala Trp 60
 35 40 55
 Glu Glu Lys Thr Leu Ser Lys Tyr Glu Ser Ser Glu Ile Arg Leu Leu Glu Ile Leu Glu Gly Leu Cys Glu Ser Ser Asp Phe Glu Cys 90
 65 70 85
 Asn Gln Met Leu Glu Ala Gln Glu Glu His Leu Glu Ala Trp Trp Leu Gln Leu Lys Ser Glu Tyr Pro Asp Leu Phe Glu Trp Phe Cys 120
 95 100 115
 Val Lys Thr Leu Lys Val Cys Cys Ser Pro Gly Thr Tyr Gly Pro Asp Cys Leu Ala Cys Gln Gly Gly Ser Gln Arg Pro Cys Ser Gly 150
 125 130 145
 Asn Gly His Cys Ser Gly Asp Gly Ser Arg Gln Gly Thr Tyr Gly Ser Cys Arg Cys His Met Gly Tyr Gln Gly Pro Leu Cys Thr Asp Cys 180
 155 160 175
 Met Asp Gly Tyr Phe Ser Ser Leu Arg Asn Glu Thr His Ser Ile Cys Thr Ala Cys Asp Glu Ser Cys Lys Thr Cys Ser Gly Leu Thr 210
 185 190 205
 Asn Arg Asp Cys Gly Glu Val Gly Trp Val Leu Asp Glu Gly Ala Cys Val Asp Val Asp Glu Cys Ala Ala Glu Pro Pro Pro 240
 215 220 235
 Cys Ser Ala Ala Gln Phe Cys Lys Asn Ala Asn Gly Ser Tyr Thr Cys Glu Glu Cys Asp Ser Ser Cys Val Gly Cys Thr Gly Glu Gly 270
 245 250 265
 Pro Gly Asn Cys Lys Glu Cys Ile Ser Gly Tyr Ala Arg Glu His Gly Gln Cys Ala Asp Val Asp Glu Cys Ser Leu Ala Glu Lys Thr 300
 275 280 295
 Cys Val Arg Lys Asn Glu Asn Cys Tyr Asn Thr Pro Gly Ser Tyr Val Cys Val Cys Pro Asp Gly Phe Glu Glu Thr Glu Asp Ala Cys 330
 305 310 325
 Val Pro Pro Ala Glu Ala Glu Thr Glu Gly Glu Ser Pro Thr Gln Leu Pro Ser Arg Glu Asp Leu 353
 335 340 350

FIG. 6B

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p1.DNA33094

SEQ ID NO:18

Met Ala Arg Arg Ser Ala Phe Pro Ala Ala Ala Leu Trp Leu Trp Ser Ile Leu Leu Cys Leu Leu Ala Leu Arg Ala Glu Ala Gly Pro
 1 5 10 15 20 25 30
 Pro Gln Glu Glu Ser Leu Tyr Leu Trp Ile Asp Ala His Gln Ala Arg Val Leu Ile Gly Phe Glu Glu Asp Ile Leu Ile Val Ser Glu
 35 40 45 50 55 60
 Gly Lys Met Ala Pro Phe Thr His Asp Phe Arg Lys Ala Gln Arg Met Pro Ala Ile Pro Val Asn Ile His Ser Met Asn Phe Thr
 65 70 75 80 85 90
 Trp Gln Ala Ala Gly Gln Ala Glu Tyr Phe Tyr Glu Phe Leu Ser Leu Arg Ser Leu Asp Lys Gly Ile Met Ala Asp Pro Thr Val Asn
 95 100 105 110 115 120
 Val Pro Leu Leu Gly Thr Val Pro His Lys Ala Ser Val Val Gln Val Gly Phe Pro Cys Leu Gly Lys Gln Asp Gly Val Ala Ala Phe
 125 130 135 140 145 150
 Glu Val Asp Val Ile Val Met Asn Ser Glu Gly Asn Thr Ile Leu Gln Thr Pro Gln Asn Ala Ile Phe Phe Lys Thr Cys Gln Ala
 155 160 165 170 175 180
 Glu Cys Pro Gly Gly Cys Arg Asn Gly Gly Phe Cys Asn Glu Arg Arg Ile Cys Glu Cys Pro Asp Gly Phe His Gly Pro His Cys Glu
 185 190 195 200 205 210
 Lys Ala Leu Cys Thr Pro Arg Cys Met Asn Gly Gly Leu Cys Val Thr Pro Gly Phe Cys Ile Cys Pro Pro Gly Phe Tyr Gly Val Asn
 215 220 225 230 235 240
 Cys Asp Lys Ala Asn Cys Ser Thr Thr Cys Phe Asn Gly Gly Thr Cys Phe Tyr Pro Gly Lys Cys Ile Cys Pro Gly Leu Glu Gly
 245 250 255 260 265 270
 Glu Gln Cys Glu Ile Ser Lys Cys Pro Gln Pro Cys Arg Asn Gly Gly Lys Cys Ile Gly Lys Ser Lys Cys Lys Cys Ser Lys Gly Tyr
 275 280 285 290 295 300
 Gln Gly Asp Leu Cys Ser Lys Pro Val Cys Glu Pro Gly Cys Gly Ala His Gly Thr Cys His Glu Pro Asn Lys Cys Cys Gln Cys Glu
 305 310 315 320 325 330
 Gly Trp His Gly Arg His Cys Asn Lys Arg Tyr Glu Ala Ser Leu Ile His Ala Leu Arg Pro Ala Gly Ala Gln Leu Arg Gln His Thr
 335 340 345 350 355 360
 Pro Ser Leu Lys Lys Ala Glu Glu Arg Arg Asp Pro Pro Glu Ser Asn Tyr Ile Trp
 365 370 375 379

FIG. 6C

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